

Experimental investigation ...

S/143/62/000/010/001/004
D238/D303

operated on compressed air heated to 65-75°C. Measurements were made of the pressure before the turbine, in the radial gap between the nozzle system and the working disc, the pressure after the turbine, the temperatures before the turbine and after the working disc; the air flow rate before and after the turbine, the rotor revs n , air pressure, flow rate and temperature before and after the compressor. The investigation aimed at checking the stage efficiency, the variation in the total relative losses of the stage, the degree of reaction as a function of $\frac{u_1}{C_0}$ (C_0 being the arbitrary speed corres-

ponding to the temperature drop of the stage H_{AT}), $\frac{u_1}{C_0}$ being varied by varying the compressor loading. It was found that a stage with $\frac{u_1}{C_1} > 1$ and the corresponding degree of reaction yields maximum

specific work (per 1 kg of gas) at the disc periphery (for the same values of C_1 and working disc diameter) and converts it to effective work with minimal losses. Decrease of C_1 makes it possible to avoid

Card 2/3

Experimental investigation ...

S/143/62/000/010/001/004
D238/D308

sonic flows from the nozzle and to increase the flow sections of the nozzle system and working disc at the inlet for the same angle α_1 (thus reducing the end losses). There are 4 figures.

ASSOCIATION: Leningradskiy korablestroitel'nyy institut (Leningrad Shipbuilding Institute)

SUBMITTED: April 29, 1962

Card 3/3

L 07929-67 EWT(m)/EWP(t)/ETI IJF(c) JD

ACC NR: AP6033381

SOURCE CODE: UR/0075/66/021/008/0935/0939

22

AUTHOR: Babko, A. K.; Markova, L. V.; Prikhod'ko, M. U.

ORG: Institute of General and Inorganic Chemistry AN UkrSSR, Kiev (Institut obshchey i neorganicheskoy khimii AN UkrSSR)

TITLE: Determination of ²¹copper using its diethyldithiocarbamate and the iodine-azide reaction

SOURCE: Zhurnal analiticheskoy khimii, v. 21, no. 8, 1966, 935-939

TOPIC TAGS: copper, iodine, azide, copper determination, iodine azide reaction, diethyldithiocarbamate

ABSTRACT: Copper diethyldithiocarbamate in nonaqueous solutions catalyzes the iodine-azide reaction as does free diethyldithiocarbamate. It is possible to separate copper diethyldithiocarbamate from the reagent excess. The determination of traces of copper, lead and cadmium, and the total of these metals from the iodine-azide reaction is carried out in a methanol-chloroform medium. The change of optical density in 5 min due to the interaction of iodine with azide is proportional to the catalyzer (CuD_2) concentration. The method permits the

Card 1/2

UDC: 543.70

L 07929-67

ACC NR: AP6033381

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determination of copper down to $6 \cdot 10^{-6}\%$ in 1 g of NaCl. The sensitivity of the method suggested for copper determination is 50 times higher than that of photometric determination. Orig. art. has: 2 figures and 2 tables. [Authors' abstract]

SUB CODE: 07/ SUBM DATE: 30Nov64/ ORIG REF: .004/ OTH REF: 003/

Cord 2/2

vmb

PRIKHOD'KO, N.

Soviet abrasives. Vnesh.torg. 26 no.5:23-27 My '56. (MLBA 9:8)
(Abrasives)

22

PRIKHOD'KO, N. A.

Electrophysical properties of transformer oils at low temperatures. A. A. Vorob'ev and N. A. Prikhod'ko. *J. Tech. Phys.* (U. S. S. R.) 9, 1339 (1939). The η of several transformer oils is a linear function of temp. Their viscosity below -20° is mainly structure viscosity. Below -20° elev. field of 4 kv/cm. increases the η . On cooling from room temp. the breakdown voltage sharply rises at 0° owing to sepn. of ice; it gradually rises again below -25° . I. I. Ili'in

ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION

P R I K H O D ' K O , N . A .																									
TRANSFORMER OILS CONTAINING COUMARONE RESINS. A. A. Vorob'ev and N. A. Prikhod'ko. <i>Elektricheskoe</i> 60, No. 8, 66-8(1940). The effect of coumarone on the properties of transformer oils was investigated in the lab. and after service for over a yr. in transformers. Oils contg. coumarone resin did not change their surface tension after exposure to an atm. of large moisture content and to an atm. of O ₂ . The acidity was reduced, stability was not impaired and was reduced at low temps. after the addn. of resin. After one yr. service in transformers the oil was found to be more stable, acid increase was less and the tangent of the angle of dielec. losses was half that of coumarone-free oil. Addn. of coumarone reduced the aging of the oil in the open. The optimum addn. of coumarone for each oil varies but it lies within the range of 0.2-0.5%.																									
B. Z. Kamich																									
ASAC-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
120000 120000																									

PRIKHOD'KO, N. A.

AID P - 5078

Subject : USSR/Engineering

Card 1/2 Pub. 128 - 7/26

Authors : ~~Prikhod'ko, N. A., and N. P. Arnol'd, Engineers~~

Title : Automatic machine lines for the processing of stepped shafts.

Periodical : Vest. mash., ³⁶5, 16-26, My 1956

Abstract : In accordance with the designs of ENIMS (Experimental Scientific Research Institute for Metal-Cutting Lathes), the experimental "Stankokonstruktsiya" Plant manufactured in 1949-1952, four automatic machine lines for processing shafts of electric machines. Three of these automatic machine lines were put in operation at the "Vol'ta", Mednogorsk and Tomsk plants manufacturing the electric machinery. The fourth automatic line is tested at present by the Khar'kov Electric-Machine-Building Plant. The design and operation of these automatic machine

AID P - 5078

Vest. mash., 5, 16-26, My 1956

Card 2/2 Pub. 128 - 7/26

lines are described and discussed in detail. On the basis of the satisfactory results of their operation, the Ministry of the Electric Power Equipment Industry entrusted ENIMS in 1955 with the designs of three new automatic machine lines for processing shafts. 3 tables, 19 illustrations and diagrams.

Institution : None

Submitted : No date

AKOL'ZIN, L.Ye.; BOROZDOV, I.A.; BEDILO, V.Ye.; TERESHKIN, F.N. *Prinimali uchastiye:* BELYAYEV, F.R.; BEREZHNOY, N.V.; BUBYR', V.A.; VARSHAVSKIY, I.N.; DUDKO, V.P.; YERSHOV, V.S.; DUGIN, Ye.V.; DUKALOV, M.F.; IVANOV, P.S.; KONAREVA, V.F.; MONIN, M.I.; MOGILKO, A.P.; PANCHENKO, A.I.; POKALYUKOV, S.N.; PRIKHOD'KO, N.D.; RUBIN, I.A.; SIDORENKO, P.A.; TYUTYUNIK, Ya.I.; KHMEL'NITSKIY, L.Ya.; BONDAR', V.I.; KRIVTSOV, A.T.; LOKSHIN, V.D.; SOFIYENKO, N.P. RABINKOVA, L.K., red.izd-va; BOLDYREVA, Z.A., tekhn.red.

[Types of mine cross section] *Tipovye sechenia gornykh vyrabotok.* Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po gornomu delu. Vol.4.
[Cross section of mines supported by a sectional reinforced-concrete lining of URP-11 panels for 1-, 2- and 3-ton railroad cars] *Sechenia vyrabotok, zakreplennykh sbornoj zhelezobetonnoi krep'iu iz plit URP-II, dlia 1-, 2- i 3-tonnykh vagonetok.* 1960. 278 p.
(MIRA 13:12)

1. Khar'kov. Gosudarstvennyy proyektnyy institut Yuzhgiproshakht.
(Mine timbering)

PRIKHODKO, N.M.; SAVOSTIN, V.P.; DERKACHEV, V.I.

Semichill casting of gear wheel. Ratsionalizatsiya no.12:
21 '62.

DERKACHEV, V.I.; PRIKHOD'KO, N.M.; TIKHONOV, A.A.

Double separation and reclamation of spent molding sand.
Lit. proizv. no.1:32-39 Ja '65.

(MIRA 18:3)

PRIKHOD'KO, N.M.

Using converters for steelmaking in shaped-steel casting
foundries. Met. i gornorud. prom. no.2:30-31 Mr-Ap '65.
(MIRA 18:5)

PRIKHOD'KO, N.M.; SAVOSTIN, V.P.; DERKACHEV, V.I.

Casting gear wheels in half-chills. Lit. proizv. no.6:39 Je '62.
(MIRA 15:6)

(Die casting)

GORUSHKINA, L.P.; PRIKHOD'KO, N.M.; SELIVERSTOV, A.O.; CHERNYSH, S.I.;
BESPALCO, V.K.

Use of quick-hardening mixtures. Lit. proizv. no. 2:39 F '61.

(MIRA 14:4)

(Sand, Foundry)

PRIKHOD'KO, N.M.

Rapid determination of carbon in the production of bessemer
steel. Lit. proizv. no.8:37 Ag '61. (MIRA 14:7)
(Steel—Analysis) (Gases in metals)

ZHUKOVSKIY, A.V., professor; PRAKHOV, N.N.; PRIKHOD'KO, N.P.; LAZITSKAYA, L.N.

Effect of organomineral mixtures on potatoes. Agrobiologia no.3:107-108
My-Je '56. (MLRA 9:9)

(Potatoes) (Fertilizers and manures)

PRIKHOD'KO, Nikolay Vasil'yevich; PONOMARENKO, Ivan Nikolayevich; LIKHOSHVA, Semen Stepanovich; RASTORGUYEV, V., otv. red.; ZAVERNYAYEVA, L., red. izd-va; LEBEDEV, A., tekhn. red.

[Finances of intercollective farm construction organizations] Finansy mezhkolkhoznykh stroitel'nykh organizatsii. Moskva, Gosfinizdat, 1960. 126 p. (MIRA 14:10)

(Construction industry--Finance)

(Collective farms--Interfarm cooperation)

SEMAK, B.C.; DIANICH, M.M.; PEIKHOD'KO, N.V.

Effect of the relative humidity of air on the creasing of
textile fabrics. Izv. vys. ucheb. zav.; tekhn. tekst. prom.
no.6:12-14 '64. (MIRA 18:3)

1. L'vovskiy torгово-ekonomicheskii institut.

KORNILOVA, E.Ye.; PRIKHIDKO, N.Ye.; LILEYEV, I.S.

Lanthanum germanates. Izv. AN SSSR. Neorg. khim. 1965, 10, 4:231-233.
P 1c5. (MIRA 18:7)

1. Institut khimii splavov AN SSSR.

AUTHORS: Molchanov, V. S., Prihod'ko, N. Ye. SOV/62-58-7-1/26

TITLE: The Corrosion of Silicate Glasses Caused by Alkaline Solutions
(Korroziya silikatnykh stekol shchelochnymi rastvorami)
Communication 3: Inhibitors of the Alkaline Corrosion of Glasses
(Soobshcheniye 3. Ingibitory shchelochnoy korrozii stekol)

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye khimicheskikh nauk,
1958, Nr 7, pp 801 - 808 (USSR)

ABSTRACT: It is known that the destruction of silicate glasses by neutral
and especially by acid solutions is from the first moment
accompanied by a peculiar self-protection: The formation of a
thin surface layer (or film) consisting of the products of de-
composition of the glass. Berger (Ref 4) was the first to
describe this phenomenon. Lateron Geffken (Ref 5) et al. dealt
in detail with this problem. The purpose of this paper is the
further investigation of this phenomenon in order to make
practical use of it. The authors found that some anions have to
a high degree the property of reducing the destructive effect
of alkaline solutions on silicate glasses in which they are
found in small concentration (0,01 g-ekv/l). Beryllate, alu-

Card 1/2

The Corrosion of Silicate Glasses Caused by Alkaline Solutions. Communication 3: Inhibitors of the Alkaline Corrosion of Glasses SOV/62-58-7-1/26

minate and zincate ions exhibit an especially strong efficiency. The capability of inhibiting of these anions becomes especially clear in the destructions of all silicate glasses in alkali with the exception of the highly self-decomposing binary sodium and potash glasses. The results obtained by the experiments agree with the assumptions made by Berger and Geffken (on the mechanism of the inhibiting effect of anions). This inhibiting effect is not caused by the formation of a layer but by the action of the inhibitor on the elementary processes of which the corrosion consists. There are 4 figures, 2 tables, and 16 references, 8 of which are Soviet.

ASSOCIATION: Institut khimii silikatov Akademii nauk SSSR (Institute of Silicate Chemistry, AS USSR)

SUBMITTED: April 24, 1957

Card 2/2

BELOV, N.V.; PRIKHOD'KO, N. Ye.; SIMONOV, V.I.; FLORINSKAYA, V.A.;
MCHEDLOV-PETROSYAN, O.P.

Symposium on the study of silicates of monovalent and diva-
lent cations. Zhur. prikl. khim. 33 no.11:2598-2600 N '60.
(MIRA 14:4)

(Silicates--Congresses)

FOMICHEV, I.A., doktor tekhn. nauk; TROFIMOVICH, A.N., inzh.; PRIKHOD'KO,
O.G., inzh.

Using molded wooden plastics in friction units of rolling mills.
Vest. mashinostr. 43 no.10:40-43 0 '63. (MIRA 16:11)

FOMICHEV, I.A., doktor tekhn. nauk; TROFIMOVICH, A.I., inzh., KRYZHANOVSKAYA,
R.I., inzh.; PRIZHOD'KO, O.G., inzh.

Effect of fillers on physico-mechanical and anti-frictional
properties of wood plastics. Izv. vys. ucheb. zav.; mashinost.
no. 12:49-53 '64. (MIRA 18:3)

1. Dnepropetrovskiy khimiko-tekhnologicheskii institut.

PRIKHOD'KO, O.N., agronom po zashchite rasteniy

From the practices of controlling *Acroptilon picris*.

Zashch. rast. ot vred. i bol. 7 no.7:50 JI '62. (MIRA 15:11)
(Novopokrovka District—(Dnepropetrovsk Province)—Weed control)
(Novopokrovka District—(Dnepropetrovsk Province)—Centaurea)

YAVORSEIY, Yu.D.; LITVINCHUK, M.D.; PRIKHOD'KO, P.M.

Automatic machine for butt welding of mass-produced rods. Avtom.svar.
11 no.12:63-69 D '58. (MIRA 12:1)

1. Ordena Trudovogo Krasnogo Znameni Institut elektrosvarki imeni Ye.O.
Patona AN USSR.

(Electric welding--Equipment and supplies)

PRIKHOD'KO, P.M.; MOVLYAN, G.A.

K-200 machine for welding the "Zaporozhets" automobile shock
absorber housing to its lid. Avtom.svar. 14 no.7:88-89 J1 '61.
(Automobiles--Welding) (Electric welding--Equipment and supplies) (MIRA 14:7)

PRIKHOD'KO, P.M.

Radio-frequency welding of spiral stiffeners to heat-exchanger
tubes. Avtom. svar. 16 no.9:82 S '63. (MIRA 16:10)

1. Institut elektrosvarki im. Ye.O.Patona AN UkrSSR.

PRIKHODKO, P.M.

K-236 machine for the resistance welding of spinning rings. Avtom.
svar. 14 no.8:85-86 Ag '61. (MIRA 14:9)
(Spinning machinery--Welding)
(Electric welding--Equipment and supplies)

Unifruit
PRIKHOD'KO, P.M., Cand Agr Sci--(diss) "Isolation of growth and
productivity of sugar beet on an ordinary and increased area of nutrition
under ~~the~~ conditions of Khar'kovskaya Oblast^T." Khar'kov, 1957. 17 p.
(Min of Agr USSR. Khar'kov Order of Labor Red Banner Agr Inst in V.V.
Dokuchayev), 150 copies (K1,49-51,125)

75-

PRIKHOD'KO, P.M.

Development of the leaf apparatus and productivity in sugar beet plants grown at regular and increased spacing. Dokl. AN SSSR 119 no.5:1035-1038 Ap '58. (MIRA 11.6)

1. Khar'kovskiy sel'skokhozyaystvennyy institut im. V.V. Dokuchayeva.
Predstavleno akademikom A.L. Kursanovym.
(Sugar beets) (Plants, Space arrangement of)

PRIKLONSKAYA, N.V.

Input and consumption of electric power in high-speed mixing of rubbers. Kauch. i rez. 17 no.4:11-14 Ap '58. (MIRA 11:5)

1. Rezinoprojekt, Moskva.
(Rubber industry--Equipment and supplies)
(Mixing)

PRIKHOD'KO, O.M., inzhener

New flow norms for small basins. Avt.dor.17 no.1:29 J1-Ag'54.
(Stream measurements) (MIRA 8:10)

KALASHNIKOV, N.A., kandidat tekhnicheskikh nauk; PRIKHOD'KO, O.M.,
inzhener.

On the possibility of building bridges without water insulation.
Avt.dor. 19 no.4:15-16 Ap '56. (MLRA 9:8)
(Bridge construction)

PRIKHOD'KO, O. M.

PRIKHOD'KO, O.M., inzhener; KALASHNIKOV, N.A., kandidat tekhnicheskikh nauk.

Bridges without hydraulic insulation. Avt. dor. 20 no.4:13-14 Ap
'57. (MLRA 10:6)

(Bridges, Concrete)

PRIKHOD'KO, P.G.

"The Decisive Role Of The External Environment And The Functional Surroundings Of Organisms In The Ontogenesis Of White Blood Corpuscles In The Horse" (p.198) by V.N. Nikitin, E.A. Batozskaya, P.S. Lyachchenko, M.I. Novikov, I.L. Poltavski, G.F. Bryazkun, and P.G. Prikhod'ko.

SO: Journal of General Biology (Zhurnal Obshchei Biologii) Vol. XI, 1950, No. 3

Kharkov Zootechnical Inst. & Kharkov State Univ

PRIKHOD'KO, P.M.

Method of manufacturing finned tubes for heat exchangers. Avtom.
svar. 14 no.3:100-101 Mr '61. (MIRA 14:2)
(Heat exchangers)

FRIKHOD'KO, P. P.

OSTAPENKO, N.G.; FRIKHOD'KO, P.M.

Butt welding of fins to wall tubes of steam boilers. Avtom.svar.
7 no.1:37-43 Ja-F '54. (MLRA 7:7)

1. Institut elektrosvariki im. Ye.O.Patona Akademii nauk USSR.
(Electric welding) (Furnaces)

SOV/125-58-12-8/13

AUTHORS: Yavorskiy, Yu.D., Litvinchuk, M.D. and Prikhod'ko, P.M.

TITLE: An Automatic Machine for Butt Welding Mass Produced Bars
(Avtomat dlya stykovoy svarki sterzhney massovogo proizvodstva)

PERIODICAL: Avtomaticheskaya svarka, 1958, Nr 12, pp 63-69 (USSR)

ABSTRACT: A new method of butt welding valve blanks, based on the use of an automatic drive, has been developed. The high dynamic qualities of the drive eliminate the formation of cavities (podgar) in blanks welded by the rigid welding process. A new automatic machine for contact butt welding of 10 to 14 mm valves was designed and is now being tested at the Yaroslavl' Automobile Plant. A detailed description of the design and operation of the new device is given. It has a capacity of 300 to 400 blanks per hour and produces high quality welds.

Card 1/2 There are 3 diagrams and 3 microphotos.

SOV/125-58-12-8/13

An Automatic Machine for Butt Welding Mass Produced Bars

ASSOCIATION: Institut elektrosvarki imeni Ye.O. Patona (Institute of
Electric Welding imeni Ye.O. Paton)

SUBMITTED: September 27, 1958

Card 2/2

S/125/61/000/003/012/016
A161/A133

AUTHOR: Prikhod'ko, P.M.

TITLE: A method of producing ribbed heat exchanger pipes

PERIODICAL: Avtomaticheskaya svarka, no. 3, 1961, 100 - 101

TEXT: Information is given on a new method of welding through-shaped ribs to heat exchanger pipes developed by the Institut elektrosvarki im. Ye.O. Patona AN USSR (Electric Welding Institute im. Ye.O. Paton AS UkrSSR). The ribs had been suggested by the Institut teploenergetiki AN USSR (Institute of Heat Engineering AS UkrSSR). A special multi-roller welder built for the purpose has been registered as an invention (Author's Certificate No. 13444). A ring transformer used for the welder distributes the current evenly into parallel circuits in the pipe, with minimum losses of electric power. Alternating direct and return conductors connecting the transformer with the welding rollers, and small circuit dimensions provide for a low short circuit resistance and power. The welding unit consumed about 40 kva in tests with simultaneous welding of six trough-ribs of 0.4 mm thickness to a 16 by 1 mm pipe at 1.2 m/min welding speed and 5 v at no-load running. Simultaneous welding of all ribs results in welding without

Card 1/2

A method of producing ribbed heat exchanger pipes

S/125/61/000/003/012/016
A161/A133

warping of the pipes. The welded joints are dependable. The system permits the welding of practically any number of ribs that is a multiple of 2. According to data of the Heat Engineering Institute, the ribbed surfaces in gas turbine regenerators will reduce by one half the weight of regenerators and by 3 - 4 times the consumption of pipes. The design has been developed for a special automatic welding line designed for this purpose. It will weld ribs on 16 x 1 mm pipes up to 7 m long. The design of a universal welding unit is under development for joining ribs to pipes 18 to 50 mm in diameter and 2 to 5 m long. The article includes photographs of the tested welding unit and pipe with six ribs. There are 2 figures. [Abstracter's note: Essentially complete translation.] ✓

Card 2/2

PRIMECHENKO, Prof. P. T.

Mbr., Lab. Mining Hygiene, Western Siberian Affil., Acad. Sci., -1946-.

"News in the Field of Labor Hygiene in Mines," Gor. Zhur., No. 10, 1948;

"In Memory of A. A. Metsatun'yan," Gg. i San., No. 11, 1948;

"Problems of Mining Hygiene in the Works of M. V. Lomomosev," ibid., No. 6, 1949;

"The Fight Against Dust at the Tashtagol Mine," ibid., No. 5, 1949.

PRIKHOD'KO, P. T.

29230 Metody ob"ektivnogo ispytaniya zashchitnoy obuvi dlya gornorabochikh.
Trudy Gorno-geol. in-ta (Akad. nauk SSSR, Zap.-Sib. filial), vyp. 4, 1949,
s. 47-61.- Bibliogr: 9 nazv.

SO: Letopsi' Zhurnal'nykh Statey, Vol. 39, Moskva, 1949

4689. DUST CONTROL AT TASHTAGOL MINE. Prikhod'ko, P.T. and Fisakova, A.I. (Gornyi Zhurnal (Min. J.), May 1949, (5), 35). (L).

PRIKHOD'KO, P. T.

20067 PRIKHOD'KO, P. T. Voprosy gigiyeny truda gornorabochikh v. trudakh
M. V. Lomonosova. Gigiyena i sanitariya, 1949, No. 6, s. 23-26.

SO: LETOPIS ZHURNAL STATEY, Vol. 27, Moskva, 1949.

PRIKHOD'KO, P. T.

PA 65/49T105

USSR/Physics - Noise
Vibration

Jun 49

"Review of Professor G. L. Nevzhenko's Book,
"A Study of Noise," P. T. Prikhod'ko, 3/4 p

"Gig 1 Sen" No 6

Book throws light on problems of noise, its
historical development, and the effect of noise
on the human organism. Includes clinical ob-
servations, experimental studies explaining
occupational deafness, etc., vibration effects
and methods of measuring noise and vibration.
Despite certain inaccuracies, it is recommended.

65/49T105

USSR/Physics - Noise (Contd)

Jun 49

as a valuable collection of studies on noise con-
trol.

65/49T105

PRIKHOD'KO, P. T.

Mining hygiene; a textbook. Moskva, Ugletekhizdat, 1950. 72 p. (51-22339)

RA787.P7

PRIKHOD'KO, P.T.

Mine dusts

"Control of mine dust." P.N. Torskiy. Reviewed by P.T. Prikhod'ko. Sig 1 ser. 66.
8, 1952.

Monthly List of Russian Accessions. Library of Congress, December 1952. UNCLASSIFIED

PRIKHOD'KO, P.T., professor, doktor meditsinskikh nauk.

General hygienic rating of the dust pollution of mines. Bor'ba s
sil. 1:192-195 '53. (MLRA 7:10)

1. Zapadno-Sibirskaya komissiya po bor'be s silikozom.
(MINE DUSTS)

PRIKHOD'KO, P.T., professor, doktor meditsinskikh nauk.

Basic problems of industrial hygiene in the coal industry. Ugol' vol.28 no.
11:31-34 N '53. (MLRA 6:11)
(Mine sanitation)

PRIKHOD'KO, P. T.

AID P - 1503

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 18/19

Author : Prikhod'ko, P. T.

Title : Prof. A. S. Shafranova. Individual Prophylaxis of Professional Eye Diseases. Moscow, Medgiz, 1954.
147 pp. Series: Library of the Sanitary Inspector
(Book Review)

Periodical : Gig. 1 san., 2, 60-61, F 1955

Abstract : A review of the above book

Institution: None

Submitted : No date

PRIKHOD'KO, P. T.

AID P - 3671

Subject : USSR/Medicine

Card 1/1 Pub. 37 - 17/19

Author : Prikhod'ko, P. T.

Title : Review of new books on the improvement of sanitary conditions for industrial workers

Periodical : Gig. i. san., 11, 60-61, N 1955

Abstract : A. A. Malykh, Dushiruyushchiye veyernyye agregaty (Shower Fan Devices), Metallurgizdat, 1953; I. M. Neyman, Zashchita glaz na proizvodstve (Eye Protection in Industry) Profizdat, 1953; S. A. Toropov, Zashchita organov dykhaniya na proizvodstve (Protection of Respiratory Organs in Industry), Profizdat, 1954. (Book review) The reviewer considers these books useful but points out their defects.

Institution : None

Submitted : No date

~~PRIKHOD'KO, Petr Trofimovich~~; BRANDIS, S.A., otvetstvennyy redaktor;
~~GRISHAYENKO, M.I.~~, redaktor izdatel'stva; IL'INSKAYA, G.M.,
tekhnicheskiiy redaktor

[Industrial hygiene in mines] Gigiena truda shakhtera. Izd. 2-oe,
perer. Moskva, Ugletekhizdat, 1957. 79 p. (MLRA 10:9)
(COAL MINERS--DISEASES AND HYGIENE)

PRIKHOD'KO, P.T.
PRIKHOD'KO, P.T. (Stalinsk)

Most important achievements in mining hygiene in the U.S.S.R.
during the Soviet regime (1917-1957). Gig.truda i prof. zab.
1 no.5:30-34 S-O '57. (MIRA 10:11)

1. Gosudarstvennyy institut usovershenstvovaniya vrachey.
(MINERS--DISEASES AND HYGIENE)

ПРИКХОД'КО, П.Т.

ПРИХОД'КО, П.Т.

New books on health protection of miners. Gig.truda i prof.zab.
no.4:58-59 J1-Ag '57. (MIRA 10:11)
(BIBLIOGRAPHY--MINERS--DISEASES AND HYGIENE)

Prilozhenie k...

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PRIKHOD'KO, P. T.

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nauk.

Timofei Fedorovich Gorbachev. Trudy Inst. gor. dela Sib. otd.
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CHINAKAL, N.A., prof., zasluzhennyy deyatel' nauki i tekhniki; PRIKHOD'KQ
P.T., prof., doktor meditsinskikh nauk; LEONT'YEV, V.H., dotsent,
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114-115 '60. (MIRA 13:7)
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[Fishery resources of Kazakhstan; a manual for fishermen] Rybnye bogatstva Kazakhstana; spravochnik rybaka. Alma-Ata, Kazgosizdat, 1963. 262 p. (MIRA 17:2)

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of the Botanical Garden of the Ukrainian Academy of Sciences. Trudy
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of the Ukraine. Trudy Bot.sada AN URSR 3:154-157 '55. (MLRA 10:8)
(Kiev--Poppy)

PRIKHOD'KO, S.N.

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winter pastures in Badkhyz ^{and} Karabil'. (Biology of desert plants and their
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pastbishch podsevom evshana. Ashkhabad, Akad.nauk TSSR, 1953. 12 p.
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NECHAYEVA, N.T.; PRIKHOD'KO, S.Ya.

Biology of *Artemisia badghysii* and the results of its introduction into cultivation. Bot.zhur.41 no.6:836-854 Ju '56. (MLRA 9:10)

1. Institut zhivotnevedstva Akademii nauk Turkmenaskey SSR.
(Turkmenistan--Artemisia)

ПРИХОД К.В. Т.И.

USSR/Cultivated Plants - Fodder.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15660

Author : G.A. Zubkova, A.V. Kalinova, Z.I. Kartashova, T.I.
~~Prikhodko~~

Inst : Stavropol'skiy Agricultural Institute.

Title : The Calcium and Phosphorus Content in Perennial and
Annual Grass Hay During the Harvest.
(Soderzhaniye kal'tsiya i fosfora v sene mnogoletnikh
i odnoletnikh trav po ukosan).

Orig Pub : Sb. nauchn.-issled. rabot stud. Stavropol'sk. s.-kh. in-
t, 1956, vyp. 4, 86-88.

Abstract : The Stavropol'skiy Agricultural Institute studied the
Ca and P content upon harvesting of alfalfa, sainfoin,
wither rye and rye-grass hay. The richest in Ca of the
bean bearing grass hay were alfalfa (15.9-20.0 grams

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USSR/Cultivated Plants - Fodder.

M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15660

per 1 kilogram) and sainfoin (13.09-13.51 grams per 1 kg). The Ca content in the hay of winter rye was 5.35-7.3 and of rye-grass 4.5-5.46 grams per kg. The highest P content was in winter rye hay (3.15-3.30 grams per 1 kg). The second and third harvestings did not distinguish themselves in mineral substance content from the first cutting.

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S/196/62/000/005/004/012
E194/E154

AUTHORS: Gulyayeva, L.M., Odynets, L.L., and Prikhod'ko, T.P.

TITLE: Rectifier theory

PERIODICAL: Referativnyy zhurnal, Elektrotekhnika i energetika,
no.5, 1962, 6-7, abstract 5 B60. (Sb. tr. Nauchno-
tekhn. o-va radiotekhn. i elektrosvyazi im.
A.S. Popova, no.1, 1960, 135-146)

TEXT: This work extends the ideas of G.V. Akimov
(Uspekhi khimii, 14, 1947, 353) concerning the structure of
oxide films produced on forming aluminium in strong acids, to
the structure of similar films produced on forming in weak acids.
The surface of the formed aluminium electrode in the electrolyte
is considered as a complex micro-galvanic system containing a
certain quantity of so-called anodic areas in which random
defects expose the metal, and of cathodic areas in which the bare
metal is covered by a thin layer of oxide film (of 10-20 Å);
on the cathode areas the cations can be charged by tunnel effect.
On application of voltage to an aluminium electrode immersed in

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Rectifier theory

S/196/62/000/005/004/012
E194/E154

electrolyte there takes place both continuous dissolution of thin oxide films on anode areas which are thus converted into cathodic areas, and the covering up of individual bare areas on the metal (anodes) by a thin layer of oxide film which converts these areas into cathodic. Depending on the sign of the voltage, the equilibrium between these two processes is displaced in one or the other direction. It is concluded that the valve-like properties of the system Al-Al₂O₃-electrolyte depend on the rate of anodic and cathodic reactions on oxidised aluminium. Static and dynamic volt-ampere characteristics are given for the system Al-Al₂O₃-electrolyte for aqueous solutions of boric acid (30, 50 and 100 g/litre) and of borax (0.05, 0.25 and 0.5 g/litre) respectively. The rectification factors for these electrolytes were respectively 1.1×10^3 , 3.1×10^3 , and 4.2×10^3 under static conditions, and 7, 8 and 10.5 under dynamic. Rectification was observed in centinormal solutions of H₂SO₄, Ca(NO₃)₂ and Al(NO₃)₃ (the rectification factors were respectively 14.0, 8.5 and 3.8). The experimental results are discussed in the light of the proposed theory. 18 literature references.

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Rectifier theory

S/196/62/000/005/004/012
E194/E154

Abstractor's note: 1) The analogy that the authors draw between the structure of oxide films obtained in strong and in weak acids is doubtful since in the two cases the oxide films differ greatly in mechanism of formation, thickness, porosity and valve-like characteristics. 2) The authors explain the unidirectional conductivity of an oxide film on aluminium by the presence of defects in the film and by the dissolution of the thin oxide film on cathodic areas. Evidently the clearly expressed unidirectional conductivity of oxide films of other valve-like metals in electrolytes, for instance, oxide films on tantalum, should be capable of explanation from this standpoint. However, Ta_2O_5 is particularly inert and is not dissolved even in strong electrolytes, whilst the number of defects in Ta_2O_5 is much smaller than in Al_2O_3 . 3) It is difficult to explain the valve properties of oxide films on aluminium only by surface electrochemical processes occurring at the boundary between the oxide film and the electrolyte. Oxidized aluminium displays one way conductivity in the systems $Al-Al_2O_3$ -semiconductor as well as in the systems $Al-Al_2O_3$ -metal electrode (see Ref. Zh. Elek. 1960, Card 3/4

✓

Rectifier theory

S/196/62/000/005/004/012
E194/E154

no.12, 1.3247; 1961, 12 B03). In these systems unidirectional conductivity is explained by internal processes in the oxide film associated with non-uniformities across the thickness (see Ref.Zh.Elek. 1960, no.18, 1.4396; 1961, 5 B122, 9 B37).
Therefore, in explaining one way conductivity it is necessary to consider both surface and internal effects of the oxide film, and one or the other of these effect may predominate depending upon the conditions. ✓

[Abstractor's note: Complete translation.]

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ACC NR: AR5015447

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551.593.653

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B

SOURCE: Ref. zh. Geofizika, Abs. 6A101

AUTHOR: Vasil'yev, N.V.; Zhuravlev, V.K.; Zazdravnykh, N.P.; Prihod'ko, T.V.;
Demin, D.V.; Demina, L.N.

TITLE: Connection between noctilucent clouds and some parameters of the ionosphere

CITED SOURCE: Dokl. 3-y Sibirsk. konferentsii po matem. i mekhan., 1964, Tomsk.
Tomskiy un-t, 1964, 302-303

TOPIC TAGS: ionosphere, ~~cloud formation~~, cloud level, atmospheric cloud

TRANSLATION: In Tomsk, during the summer of 1963, noctilucent clouds were observed eleven times. A comparison with the state of the ionosphere showed that, as a rule, these clouds were accompanied by a lowering of the average altitude of the sporadic stratum E.

SUB CODE: 04/

~~EXCL-00~~
SUBM DATE: NONE

Card 1/1 vmb